

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION O I P E S C Y JUN 29 2004 Use several sheets if necessary PATENT & TRADEMARK OFFICE	Docket Number 350292001900		Application Number 10/766,986	
	Applicant Akihiro MOCHIZUKI et al.			
	Filing Date December 29, 2003		Group Art Unit Not yet assigned	
	Mailing Date June 29, 2004			

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
GN	1.	A. Mochizuki et al., "Naphthalene Base Ferroelectric Liquid Crystal and Its Electrooptical Properties," Mol. Cryst. Liq. Cryst., Vol. 243 (1994), pp. 77-90
GN	2.	D. Coleman et al., "Control of Molecular Orientation in Electrostatically Stabilized Ferroelectric Liquid Crystals," Phys. Rev. Lett. 91, (2003), pp. 1-4
GN	3.	N. Clark et al., "Submicrosecond Bistable Electro-Optic Switching in Liquid Crystals," Appl. Phys. Lett. 36(11), June 1, 1980, pp. 899-901
GN	4.	T. Takahashi et al., "Preliminary Study of Field Sequential Fullcolor Liquid Crystal Display Using Polymer Stabilized Ferroelectric Liquid Crystal Display," Japanese Journal of Appl. Phys., Vol. 38, (1999) pp. L534-L536
GN	5.	N.A. Clark, et al., "Electrostatics and the Electro-Optic Behaviour of Chiral Smectics C: 'Block' Polarization Screening of Applied Voltage and 'V-Shaped' Switching," Liquid Crystals, Vol. 27, No. 7, (2000), pp. 985-990
GN	6.	J. Ogura et al., "A TFT-LCD Using Frustrating Antiferroelectric Liquid Crystal," IDW, (1999), pp. 199-202
GN	7.	P. Rudquist et al., "The Case Of Thresholdless Antiferroelectricity: Polarization-Stabilized Twisted SmC* Liquid Crystals Give V-Shaped Electro-Optic Response," J. Mater. Chem., (1999), pp. 1257-1261
GN	8.	Jun Xu et al., "Measurement of Molecular Conformation and Motion in V-Mode Polymer-Stabilized Ferroelectric Liquid Crystal Displays Using Ellipsometry," Jpn. J. Appl. Phys., Vol. 41, (2002), pp. L651-L653

EXAMINER:

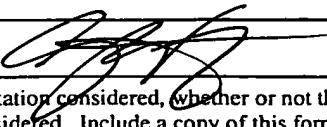
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<i>Gw</i>	9.	N.A. Clark, et al., "Electro-Optic Characteristics of de Vries Tilted Smectic Liquid Crystals: Analog Behavior in the Smectic A* and Smectic C* Phases," Applied Physics Letters, Vol. 80, No. 22, June 3, 2002, pp. 4097-4099
<i>Gw</i>	10.	P. Rudquist et al., "28.2: Invited Paper: Unraveling the Mystery of "Thresholdless Antiferroelectricity": High-Contrast Analog Electro-Optics in Chiral Smectic-Liquid Crystal," SID 1999 Digest, pp. 409-411
<i>Gw</i>	11.	A. Mochizuki et al., "Surface Anchoring Influence on Polarization Switching Properties of SSFLCS," Mol. Cryst. Liq. Cryst., Vol. 304, (1997), pp. 351-356
<i>Gw</i>	12.	P. Rudquist et al., "Effects of Phase Coexistence on the Electrooptic Response in the Antiferroelectric SmC*a Phase in Materials Exhibiting Thresholdless Switching in the Smectic C* Phase," International Ferroelectric Liquid Crystal Conference Record, (1999), pp. 182-183
<i>Gw</i>	13.	H. Pauwels et al., "Grey Levels in FLC Based on Static Threshold," International Ferroelectric Liquid Crystal Conference Record, (1999), pp. 152-153
<i>Gw</i>	14.	L. Komitov et al., "Light-Controlled Electro-Optic Response in a Chiral Smectic with Sign Reversal of the Spontaneous or Induced Polarization," International Ferroelectric Liquid Crystal Conference Record, (1999), pp. 184-185
<i>Gw</i>	15.	A.D.L. Chandani, "Tristable Switching in Surface Stabilized Ferroelectric Liquid Crystals with a Large Spontaneous Polarization," Japanese Journal of Applied Physics, Vol. 27, No. 5, May 1988, L729-L732
<i>Gw</i>	16.	Y. Takanishi et al., "Spontaneous Formation of Quasi-Bookshelf Layer Structure in New Ferroelectric Liquid Crystals Derived from a Naphthalene Ring," Japanese Journal of Applied Physics, Vol. 29, No. 6, June 1990, L984-L986
<i>Gw</i>	17.	N.A. Clark et al., "Electro-Optic Characteristics of de Vries Tilted Smectic Liquid Crystals: Analog Behavior in the Smectic A* and Smectic C* Phases," Applied Physics Letters, Vol. 80, No. 22, June 3, 2002, pp. 4097-4099
<i>Gw</i>	18.	T. Takahashi et al., "P-71: Computer Simulation of Polymer-Stabilized FLCDs Exhibiting V-Shaped Switching," SID Conference Record, (2002), pp. 476-479
<i>Gw</i>	19.	S. Kobayashi, "4.4: Polymer-Stabilized FLCDs Exhibiting V- and Half-V EO Characteristics," SID Conference Record, (2001), 4 pages

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